I hereby certify that this correspondence is being deposited with the United Stated Postal Services on the date set forth below as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

Date of Signature and Deposit: 7/26/01 Jean C. Baker
Attorney of Record

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Jeffrey Ross
Serial No.:	09/873,637
Filed:	June 4, 2001
For:	THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
Group Art Unit:	1642
Examiner:	--

Commissioner For Patents
Washington, D.C. 20231

STATEMENT UNDER 37 C.F.R. § 1.821(e)

Dear Sir:

The content of the attached Sequence Listing for the above-identified application, containing SEQ ID NOs: 1 - 46 is taken from parent application Serial No. 09/261,855, filed March 3, 1999. No new matter has been added.

Respectfully submitted,

Jeffrey Ross

July 26, 2001 By: Jean C. Baker

Jean C. Baker
Registration No. 35,433
Attorney for Applicant
QUARLES & BRADY LLP
411 East Wisconsin Avenue
Milwaukee, WI 53202-4497
(414) 277-5709

SEQUENCE LISTING

<110> Ross, Jeffrey

<120> THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
(CRD-BP) AND ITS NUCLEIC ACID SEQUENCE

<130> 960296.95131

<140>
<141>

RECEIVED
AUG 0 2 2001
TECH CENTER 1600/2900

<160> 46

<170> PatentIn Ver. 2.0

<210> 1
<211> 2224
<212> DNA
<213> Mus musculus

<400> 1
gggtggggtg sgtagaaagt ttgcggctcc cgccgcccgt atccacgcct atcggcatag 60
gaggatatcc gcccgcgccc gcccggatcg gcattgaatg gaacagtgtc cttgccccgc 120
caccgccacc atgaacaagc tttacatcgg caacctcaac gagagtgtga cccccgcaga 180
cttggagaaa gtattcgcgg agcacaagat ctcctacagc ggccagttct tggtcaaatc 240
cggctacgcc ttcgtggatt gccccgacga gcactgggcg atgaaggcca tcgaaacttt 300
ctcggggaaa gtagaactgc aaggaaaacg tctagagatt gaacactcag tccccaaaaa 360
acaaaggagt cggaaaatac agatccgcaa tattccacct cagctccgat gggaagtgct 420
agatagcctg ctggctcagt acggtacagt ggagaactgt gagcaagtga acactgaaag 480
tgagacagcg gtggtcaacg tcacctactc taaccgggag cagaccaggc aagctatcat 540
gaagctaaat ggccatcaac tggagaacca tgccctgaag gtctcctaca tacctgatga 600
gcagataaca caaggtcctg agaatgggcg tcgtggaggc tttgggtctc ggggccagcc 660
ccggcaaggg tcgcccgtgg cagcaggggc tccagccaag cagcagccag tggacatccc 720
tctccggctc ctggtgccta cgcagtatgt aggcgctatc attggcaagg agggtgccac 780
catccgaaac atcacaaaac agacgcagtc caaaatagac gtgcatagga aggagaatgc 840
gggcgctgcg gagaaggcca tcagcgtgca ttcaacccct gaaggctgct cctccgcgtg 900
caagatgatc ttggagatta tgcacaagga ggcaaaggac accaaaacgg cagatgaagt 960
tcccctgaag atcctggctc ataacaactt cgtcgggcga ctcattggca aggaaggccg 1020
gaacctgaag aaggtggagc aggacacaga gacgaagatc accatctcat cgctccagga 1080
cctcacgctc tataaccctg agaggaccat cactgtgaag ggcgccattg agaactgttg 1140
cagggccgag caggagatca tgaagaaagt tcgagaggct tacgagaacg acgtggccgc 1200
catgagcttg cagtcccacc tcatccctgg gcttaacctg gctgctgtag gtctcttccc 1260
agcttcatcc agcgctgtcc ctcctcctcc cagcagtgtc actggggctg ctccctatag 1320
ctccttcatg caggctccgg agcaggagat ggtacaagtg ttcatccccg cccaggctgt 1380
gggcgccatc attggcaaga agggccagca catcaaacaa ctctcccgtt tcgccagcgc 1440
ctccatcaag attgctccac cagaaacacc tgactccaaa gttcgaatgg tcgtcatcac 1500
tggaccccca gaggctcagt tcaaggctca gggaagaatt tatggcaaac taaaagaaga 1560

gaatttcttt ggtcccaagg aggaagtaaa gctagagacc cacatacggg ttccggcttc 1620
agcagccggc cgcgtcatcg gcaaaggcgg caaaacggtg aatgagctgc agaacttgac 1680
tgcagctgag gtggtagtgc caagagacca gaccccggat gagaacgacc aagtcattgt 1740
taagatcatc ggacatttct atgccagcca gatggctcag cggaagatcc gagacatcct 1800
ggctcaagtt aagcaacagc accagaaggg acagagcaac ctggcccagg cacggaggaa 1860
gtgaccccgc cccctcctgt cccattggct ccaagatcag caggaggaac acagaactgg 1920
aggggcgggt ggagggccgg tgtgtttttc ccagcaggcc tgagaatgag tgggaatcag 1980
ggcatttggg cctggctgga gatcaggttt gcacactgta ttgagaacaa tgttccagtg 2040
aggaatcctg atctctcgcc cccaattgag ccagctggcc acagcccacc ccttggaata 2100
tcaccattgc aatcatagct tgggttgctt ttaaacgtgg attgtcttga agttctccag 2160
cctccatgga aggatgggtc agatcccagt ggggaagaga aataaaattt ccttcaggtt 2220
ttat 2224

<210> 2
<211> 577
<212> PRT
<213> Mus musculus

<400> 2
Met Asn Lys Leu Tyr Ile Gly Asn Leu Asn Glu Ser Val Thr Pro Ala
1 5 10 15

Asp Leu Glu Lys Val Phe Ala Glu His Lys Ile Ser Tyr Ser Gly Gln
20 25 30

Phe Leu Val Lys Ser Gly Tyr Ala Phe Val Asp Cys Pro Asp Glu His
35 40 45

Trp Ala Met Lys Ala Ile Glu Thr Phe Ser Gly Lys Val Glu Leu Gln
50 55 60

Gly Lys Arg Leu Glu Met Glu His Ser Val Pro Lys Lys Gln Arg Ser
65 70 75 80

Arg Lys Ile Gln Ile Arg Asn Ile Pro Pro Gln Leu Arg Trp Glu Val
85 90 95

Leu Asp Ser Leu Leu Ala Gln Tyr Gly Thr Val Glu Asn Cys Glu Gln
100 105 110

Val Asn Thr Glu Ser Glu Thr Ala Val Val Asn Val Thr Tyr Ser Asn
115 120 125

Arg Glu Gln Thr Arg Gln Ala Ile Met Lys Leu Asn Gly His Gln Leu
130 135 140

Glu Asn His Ala Leu Lys Val Ser Tyr Ile Pro Asp Glu Gln Ile Thr
145 150 155 160

Gln Gly Pro Glu Asn Gly Arg Arg Gly Gly Phe Gly Ser Arg Gly Gln
                165   170   175

Pro Arg Gln Gly Ser Pro Val Ala Ala Gly Ala Pro Ala Lys Gln Gln
            180   185   190

Pro Val Asp Ile Pro Leu Arg Leu Leu Val Pro Thr Gln Tyr Val Gly
        195   200   205

Ala Ile Ile Gly Lys Glu Gly Ala Thr Ile Arg Asn Ile Thr Lys Gln
    210   215   220

Thr Gln Ser Lys Ile Asp Val His Arg Lys Glu Asn Ala Gly Ala Ala
225   230   235   240

Glu Lys Ala Ile Ser Val His Ser Thr Pro Glu Gly Cys Ser Ser Ala
                245   250   255

Cys Lys Met Ile Leu Glu Ile Met His Lys Glu Ala Lys Asp Thr Lys
            260   265   270

Thr Ala Asp Glu Val Pro Leu Lys Ile Leu Ala His Asn Asn Phe Val
        275   280   285

Gly Arg Leu Ile Gly Lys Glu Gly Arg Asn Leu Lys Lys Val Glu Gln
    290   295   300

Asp Thr Glu Thr Lys Ile Thr Ile Ser Ser Leu Gln Asp Leu Thr Leu
305   310   315   320

Tyr Asn Pro Glu Arg Thr Ile Thr Val Lys Gly Ala Ile Glu Asn Cys
                325   330   335

Cys Arg Ala Glu Gln Glu Ile Met Lys Lys Val Arg Glu Ala Tyr Glu
            340   345   350

Asn Asp Val Ala Ala Met Ser Leu Gln Ser His Leu Ile Pro Gly Leu
        355   360   365

Asn Leu Ala Ala Val Gly Leu Phe Pro Ala Ser Ser Ser Ala Val Pro
    370   375   380

Pro Pro Pro Ser Ser Val Thr Gly Ala Ala Pro Tyr Ser Ser Phe Met
385   390   395   400

Gln Ala Pro Glu Gln Glu Met Val Gln Val Phe Ile Pro Ala Gln Ala
                405   410   415

Val Gly Ala Ile Ile Gly Lys Lys Gly Gln His Ile Lys Gln Leu Ser
420 425 430

Arg Phe Ala Ser Ala Ser Ile Lys Ile Ala Pro Pro Glu Thr Pro Asp
435 440 445

Ser Lys Val Arg Met Val Val Ile Thr Gly Pro Pro Glu Ala Gln Phe
450 455 460

Lys Ala Gln Gly Arg Ile Tyr Gly Lys Leu Lys Glu Glu Asn Phe Phe
465 470 475 480

Gly Pro Lys Glu Glu Val Lys Leu Glu Thr His Ile Arg Val Pro Ala
485 490 495

Ser Ala Ala Gly Arg Val Ile Gly Lys Gly Gly Lys Thr Val Asn Glu
500 505 510

Leu Gln Asn Leu Thr Ala Ala Glu Val Val Val Pro Arg Asp Gln Thr
515 520 525

Pro Asp Glu Asn Asp Gln Val Ile Val Lys Ile Ile Gly His Phe Tyr
530 535 540

Ala Ser Gln Met Ala Gln Arg Lys Ile Arg Asp Ile Leu Ala Gln Val
545 550 555 560

Lys Gln Gln His Gln Lys Gly Gln Ser Asn Leu Ala Gln Ala Arg Arg
565 570 575

Lys

<210> 3
<211> 14
<212> PRT
<213> Mus musculus

<400> 3
Arg Arg Gly Gly Phe Gly Ser Arg Gly Gln Pro Arg Gln Gly
1 5 10

<210> 4
<211> 14
<212> PRT

<213> Homo sapiens

<400> 4
Gly Arg Arg Gly Leu Gly Gln Arg Gly Ser Ser Arg Gln Gly
1 5 10

<210> 5
<211> 14
<212> PRT
<213> Homo sapiens

<400> 5
Gly Arg Gly Gly Phe Asp Arg Met Pro Pro Gly Arg Gly Gly
1 5 10

<210> 6
<211> 13
<212> PRT
<213> Homo sapiens

<400> 6
Gly Arg Gly Gly Phe Gly Asp Arg Gly Gly Arg Gly Gly
1 5 10

<210> 7
<211> 14
<212> PRT
<213> Homo sapiens

<400> 7
Gly Arg Gly Gly Phe Gly Gly Arg Gly Gly Gly Arg Gly Gly
1 5 10

<210> 8
<211> 14
<212> PRT
<213> Homo sapiens

<400> 8
Leu Arg Arg Gly Asp Gly Arg Arg Arg Gly Gly Gly Arg Gly
1 5 10

<210> 9

<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Consensus sequence for SEQ ID NOs:3-8.

<400> 9
Gly Arg Gly Gly Phe Gly Arg Gly Gly Gly Arg Gly Gly
1 5 10

<210> 10
<211> 11
<212> PRT
<213> Mus musculus

<400> 10
Gln Leu Arg Trp Glu Val Leu Asp Ser Leu Leu
1 5 10

<210> 11
<211> 11
<212> PRT
<213> Homo sapiens

<400> 11
His Leu Gln Trp Glu Val Leu Asp Ser Leu Leu
1 5 10

<210> 12
<211> 10
<212> PRT
<213> Homo sapiens

<400> 12
Gln Leu Arg Leu Glu Arg Leu Gln Ile Asp
1 5 10

<210> 13
<211> 11
<212> PRT
<213> Homo sapiens

<400> 13

Thr Ile Ser Ser Leu Gln Asp Leu Thr Leu Tyr
1 5 10

<210> 14
<211> 11
<212> PRT
<213> Homo sapiens

<400> 14
Thr Ile Ser Pro Leu Gln Glu Leu Thr Leu Tyr
1 5 10

<210> 15
<211> 11
<212> PRT
<213> Human immunodeficiency virus

<400> 15
Gln Leu Pro Pro Leu Glu Arg Leu Thr Leu Asp
1 5 10

<210> 16
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Consensus sequence for SEQ ID NOs:10-15.

<400> 16
Gln Leu Leu Glu Leu Thr Leu
1 5

<210> 17
<211> 47
<212> PRT
<213> Mus musculus

<400> 17
Leu Leu Val Pro Thr Gln Tyr Val Gly Ala Ile Ile Gly Lys Glu Gly
1 5 10 15

Ala Thr Ile Arg Asn Ile Thr Lys Gln Thr Gln Ser Lys Ile Asp Val
20 25 30

His Arg Lys Glu Asn Ala Gly Ala Ala Glu Lys Ala Ile Ser Val
35 40 45

<210> 18
<211> 49
<212> PRT
<213> Mus musculus

<400> 18
Ile Leu Ala His Asn Asn Phe Val Gly Arg Leu Ile Gly Lys Glu Gly
1 5 10 15

Arg Asn Leu Lys Lys Val Glu Gln Asp Thr Glu Thr Lys Ile Thr Ile
20 25 30

Ser Ser Leu Gln Asp Leu Thr Leu Tyr Asn Pro Glu Arg Thr Ile Thr
35 40 45

Val

<210> 19
<211> 47
<212> PRT
<213> Mus musculus

<400> 19
Val Phe Ile Pro Ala Gln Ala Val Gly Ala Ile Ile Gly Lys Lys Gly
1 5 10 15

Gln His Ile Lys Gln Leu Ser Arg Phe Ala Ser Ala Ser Ile Lys Ile
20 25 30

Ala Pro Pro Glu Thr Pro Asp Ser Lys Val Arg Met Val Val Ile
35 40 45

<210> 20
<211> 48
<212> PRT
<213> Mus musculus

<400> 20
Ile Arg Val Pro Ala Ser Ala Ala Gly Arg Val Ile Gly Lys Gly Gly
1 5 10 15

Lys Thr Val Asn Glu Leu Gln Asn Leu Thr Ala Ala Glu Val Val Val
20 25 30

Pro Arg Asp Gln Thr Pro Asp Glu Asn Asp Gln Val Ile Val Lys Ile
35 40 45

<210> 21
<211> 47
<212> PRT
<213> Homo sapiens

<400> 21
Leu Leu Val Pro Thr Gln Phe Val Gly Ala Ile Ile Gly Lys Lys Gly
1 5 10 15

Ala Thr Ile Arg Asn Ile Thr Lys Gln Thr Gln Ser Lys Ile Asp Val
20 25 30

His Arg Lys Glu Asn Ala Gly Ala Ala Glu Lys Ser Ile Thr Ile
35 40 45

<210> 22
<211> 49
<212> PRT
<213> Homo sapiens

<400> 22
Ile Leu Ala His Asn Asn Pro Val Gly Arg Leu Ile Gly Lys Glu Gly
1 5 10 15

Arg Asn Leu Lys Lys Ile Glu Gln Asp Thr Asp Thr Lys Ile Thr Ile
20 25 30

Ser Pro Leu Gln Glu Leu Thr Leu Tyr Asn Pro Glu Arg Thr Ile Thr
35 40 45

Val

<210> 23
<211> 47

<212> PRT
<213> Homo sapiens

<400> 23
Gln Phe Ile Pro Ala Leu Ser Val Gly Ala Ile Ile Gly Lys Gln Gly
1 5 10 15

Gln His Ile Lys Gln Leu Ser Arg Phe Ala Gly Ala Ser Ile Lys Ile
20 25 30

Ala Pro Ala Glu Ala Pro Asp Ala Lys Val Arg Met Val Ile Ile
35 40 45

<210> 24
<211> 48
<212> PRT
<213> Homo sapiens

<400> 24
Ile Arg Val Pro Ser Phe Ala Ala Gly Arg Val Ile Gly Lys Gly Gly
1 5 10 15

Lys Thr Val Asn Glu Leu Gln Asn Leu Ser Ser Ala Glu Val Val Val
20 25 30

Pro Arg Asp Gln Thr Pro Asp Glu Asn Asp Gln Val Val Val Lys Ile
35 40 45

<210> 25
<211> 50
<212> PRT
<213> Homo sapiens

<400> 25
Ile Leu Leu Gln Ser Lys Asn Ala Gly Ala Val Ile Gly Lys Gly Gly
1 5 10 15

Lys Asn Ile Lys Ala Leu Arg Thr Asp Tyr Asn Ala Ser Val Ser Val
20 25 30

Pro Asp Ser Ser Gly Pro Glu Arg Ile Leu Ser Ile Ser Ala Asp Ile
35 40 45

Glu Thr
50

<210> 26
<211> 47
<212> PRT
<213> Homo sapiens

<400> 26
Leu Leu Ile His Gln Ser Leu Ala Gly Gly Ile Ile Gly Val Lys Gly
1 5 10 15

Ala Lys Ile Lys Glu Leu Arg Glu Asn Thr Gln Thr Thr Ile Lys Leu
20 25 30

Phe Gln Glu Cys Cys Pro His Ser Thr Asp Arg Val Val Leu Ile
35 40 45

<210> 27
<211> 46
<212> PRT
<213> Homo sapiens

<400> 27
Val Thr Ile Pro Lys Asp Leu Ala Gly Ser Ile Ile Gly Lys Gly Gly
1 5 10 15

Gln Arg Ile Lys Gln Ile Arg His Glu Ser Gly Ala Ser Ile Lys Ile
20 25 30

Asp Glu Pro Leu Glu Gly Ser Glu Asp Arg Ile Ile Thr Ile
35 40 45

<210> 28
<211> 44
<212> PRT
<213> Homo sapiens

<400> 28
Phe Ile Val Arg Glu Asp Leu Met Gly Leu Ala Ile Gly Thr His Gly
1 5 10 15

Ala Asn Ile Gln Gln Ala Arg Lys Val Pro Gly Val Thr Ala Ile Asp
20 25 30

Leu Asp Glu Asp Thr Cys Thr Phe His Ile Tyr Gly
35 40

<210> 29
<211> 43
<212> PRT
<213> Homo sapiens

<400> 29
Ile Gln Val Pro Arg Asn Leu Val Gly Lys Val Ile Gly Lys Asn Gly
1 5 10 15

Lys Leu Ile Gln Glu Ile Val Asp Lys Ser Gly Val Val Arg Val Arg
20 25 30

Ile Glu Ala Glu Asn Glu Lys Asn Val Pro Gln
35 40

<210> 30
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Consensus sequence for SEQ ID NOs:17-29.

<400> 30
Leu Leu Val Gly Leu Ile Gly Lys Gly Gly Leu Lys Leu Leu Leu Arg
1 5 10 15

Ile Ile

<210> 31
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 31
gtbaaygary tbcaraa 17

<210> 32

<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 32
ggvacvacva cytcdgc 17

<210> 33
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 33
gctgccgtca aattctg 17

<210> 34
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 34
tcgacggttt ccatatg 17

<210> 35
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 35
aacccggctc gagcggccgc tttttttttt tttttttt 38

<210> 36
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 36
acggcagctg aggtggtagt acc 23

<210> 37
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 37
aacccggctc gagcggccgc t 21

<210> 38
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 38
aggttccgtc cttccttgcc aatg 24

<210> 39
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 39
aacttcatct gccgttttgg 20

<210> 40
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 40

catcaactgg agaaccatg 19

<210> 41
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 41
gactgcgtct gttttgtgat g 21

<210> 42
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 42
ctgtaggaga tcttgtgctc 20

<210> 43
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 43
cgcaccgcca ccatggacaa gctttacatc gg 32

<210> 44
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 44
actgggatct gacccatcct 20

<210> 45
<211> 16

<212> PRT
<213> Mus musculus

<220>
<221> PEPTIDE
<222> (8)
<223> Xaa where Xaa = Gln or Ile

<220>
<221> PEPTIDE
<222> (10)
<223> Xaa where Xaa = Lys or Arg

<220>
<221> PEPTIDE
<222> (11)
<223> Xaa where Xaa = Ile or Lys

<220>
<221> PEPTIDE
<222> (12)
<223> Xaa where Xaa = Tyr or Gly

<220>
<221> PEPTIDE
<222> (15)
<223> Xaa where Xaa = Ile or Leu

<400> 45
Pro Ala Gln Val Gly Ala Ile Xaa Gly Xaa Xaa Xaa Gln Xaa Xaa Lys
1 5 10 15

<210> 46
<211> 14
<212> PRT
<213> Mus musculus

<400> 46
Asn Glu Leu Gln Asn Leu Thr Ala Ala Glu Val Val Val Pro
1 5 10